BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ Part

lo: I

Removing white wash or colour wash by steel brushing and / or scraping, sand papering and preparing wall surface smooth including repairs to scraches, cost of labour, complete as per specifications. Specification No.KBS.Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor						
Inside Walls						
	1	24.60		2.80	68.88	
	1	21.05		2.80	58.94	
	1	2.44		2.80	6.83	
	1	16.50		2.80	46.20	
	2	12.65		2.90	73.37	
	2	3.85		1.54	11.86	
	2	2.25		2.00	9.00	
	1	11.15		2.80	31.22	
	2	13.98		2.80	78.29	
	2	4.55		2.80	25.48	
	2	7.05		2.80	39.48	
	2	2.13		2.80	11.93	
	1	1.36		2.80	3.81	
Deduction						
Shutter	-1	1.70		2.00	-3.40	
	-1	7.25		2.36	-17.11	
	-1	1.87		2.64	-4.94	
D	-1	1.20		2.10	-2.52	
D1	-1	1.00		2.50	-2.50	
W	-5	1.80		1.50	-13.50	
W1	-4	1.80		1.05	-7.56	
W2	-1	1.32		1.82	-2.40	
V	-1	7.00		0.60	-4.20	
V	-1	7.00		0.60	-4.20	

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Ceiling						344.40	
		1	24.60	14.00		37.13	
		1	2.25	16.50			
Deduction						-11.68	
Staircase		-1	2.37	4.93		-12.96	
		-1	3.60	3.60			
Outside Walls							
		1	27.45		3.65	100.19	
		1	16.50		3.65	60.23	
		1	11.15		3.65	40.70	
		2	4.62		3.10	28.64	
Deduction						0.00	
Shutter		-1	1.70		2.00	-3.40	
		-1	7.25		2.36	-17.11	
		-1	1.87		2.64	-4.94	
W		-5	1.80		1.50	-13.50	
W1		-4	1.80		1.05	-7.56	
W2		-1	1.32		1.82	-2.40	
V		-1	7.00		0.60	-4.20	
V		-1	7.00		0.60	-4.20	
First Floor							
Inside Walls							
R1		2	3.48		3.60	25.06	
		2	3.40		3.60	24.48	
R2		2	3.70		3.60	26.64	
		2	3.48		3.60	25.06	
T		4	1.30		3.20	16.64	
		4	1.35		1.54	8.32	
		1	3.78		3.60	13.61	
		1	3.78		3.60	13.61	
		1	7.20		3.60	25.92	
		2	23.37		3.60	168.26	
		1	16.50		3.60	59.40	
		2	4.62		2.10	19.40	
		2	7.62		2.10	32.00	
		2	1.50		2.10	6.30	
		2	2.10		2.10	8.82	
		2	1.50		2.10	6.30	
		2	2.32		2.10	9.74	
		2	4.62		2.10	19.40	
		2	4.93		3.60	35.50	

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		1	2.37		3.60		8.53	
Deduction					2.10		-9.45	
D3		-5	0.90		2.10		-3.15	
D2		-2	0.75		1.70		-42.84	
W		-14	1.80		2.10		-3.78	
W1		-2	0.90		4.50		-16.20	
Transperat		-1	3.60					
Ceiling							344.40	
		1	24.60	14.00			37.13	
		1	2.25	16.50				
Deduction							-11.68	
Staircase		-1	2.37	4.93			-12.96	
		-1	3.60	3.60			0.00	
Outside Walls							109.80	
		1	27.45		4.00		66.00	
		1	16.50		4.00		44.60	
		1	11.15		4.00		28.64	
		2	4.62		3.10			
Deduction							-3.40	
Shutter		-1	1.70		2.00		-17.11	
		-1	7.25		2.36		-4.94	
		-1	1.87		2.64		-13.50	
W		-5	1.80		1.50		-7.56	
W1		-4	1.80		1.05		-2.40	
W2		-1	1.32		1.82		-4.20	
V		-1	7.00		0.60		-4.20	
V		-1	7.00		0.60		1958.47	Sqm
						Total Qty Work Done	1692.05	Sqm
						Upto 125%	266.42	Sqm
						Above 125 %		

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ Part

No: 2

n
ne: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and nealty dressed as per specifications Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor							
Building Front							
		1	22.90	12.00	4.00	1099.20	
		1	7.00	6.00	2.80	117.60	
						1216.80	
					Upto 125%	30.00	cum
					Above 125%	1186.80	cum

Ranjitha Kumar

Contractor Representative

Assistant Engineer
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Yeshwanthapura Sub Division
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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ Part

Item No: 3

Item Name: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Complete as per the direction of Engineer in Charge with all lead and Lift

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Ground Floor						
	For Toilet						
		1	3.55	0.45	0.15	0.24	
		2	1.20	0.45	0.15	0.16	
		1	3.50	0.45	0.15	0.24	
	Samudaya bavana Ent	1	3.00	5.00	0.30	4.50	
	New Rcc Drain						
		1	86.00	1.10	1.00	94.60	
					Total Qty Work Done	**99.74**	**cum**
					Upto 125%	**74.88**	**cum**
					Above 125%	**22.66**	**cum**

Rangalhamma

Contractor Representative

Assistant Engineer
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Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ part

No: 4

Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 5.75 cum machine mixed, concrete laid in layers not exceeding 15 cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specification. Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
New Rcc Drain							
		1	30.00	1.00	0.13	3.90	
		1	30.00	1.00	0.13	3.90	
		1	24.00	1.00	0.13	3.12	
		Total Qty Work Dpwn				10.92	cum
		Qty payable in this Upto 125%				8.63	cum
		Qty payable in this Above 125%				2.13	cum

Rangalhanmma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Divisio
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Part

5

Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3.0lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walla (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, structs, buttresses, string or lacing courses, parpets, coping, bed blocks, anchor, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specification. Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor						
For Toilet						
Plinth	1	3.55	0.20	0.20	0.14	
	2	1.20	0.20	0.20	0.10	
	1	3.50	0.20	0.20	0.14	
Lintel						
	2	1.20	0.20	0.20	0.10	
	1	3.50	0.20	0.20	0.14	
New Rcc Drain						
Raft	1	30.00	0.90	0.15	4.05	
	1	30.00	0.90	0.15	4.05	
	1	24.00	0.90	0.15	3.24	
New Rcc Drain						
Wall	2	30.00	0.10	0.75	4.50	
Wall	2	30.00	0.10	0.75	4.50	
Wall	2	24.00	0.10	0.75	3.60	

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	Samudaya bavana Entry	1	3.00	5.00	0.10	1.50	
			Total Qty Work Done			26.05	cum
			Qty payable in this Upto 125%			20.13	cum
			Qty payable in this Above 125%			5.93	cum

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ part

Item No:	6							
Item Name:	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Complete as per the direction of Engineer in Charge with all lead and Lift							
	CHAINAGE		**NO**	**L**	**B**	**D**	**QTY**	**REMARKS**
	Land Mark			**(m)**	**(m)**	**(m)**		
	Ground Floor							
	For Toilet							
	Plinth		2	3.55		0.20	1.42	
			4	1.20		0.20	0.96	
			2	3.50		0.20	1.40	
	Lintel							
			4	1.20		0.20	0.96	
			2	3.50		0.20	1.40	
	New Rcc Drain							
	Wall		2	30.00		0.75	45.00	
			2	30.00		0.75	45.00	
			2	24.00		0.75	36.00	
				Total Qty Work Done			132.14	Sqm
				Qty payable in this Upto 125%			**60.63**	**Sqm**
				Qty payable in this Above 125%			**71.52**	**Sqm**

Ramakrishnamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya vana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Part

No: 7

Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
						0.00	
		Total Qty Work Done				0.00	Sqm
		Qty payable in this Bill				0.00	Sqm

Rangalakamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

E OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya ına in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Part

o: 8.

Providing and laying in position reinforced cement cocnrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, @ 0.391 Cum with super super plastisiser @ 0.225 Ltrs maichine mixed well compacted plain chajja 8.50 Cms avg thickness, up to ground floor level including removing centering, shuttering, strutting, propping etc., and removal of form work for cost of all materials, laobur HOM of machinary, curing complete as per specification.Ground floor Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
Chejja							
W		2	1.80		0.60	2.12	
					Total Qty Work Done	2.12	Sqm
					Qty payable in this Bill	2.12	Sqm

Ranjithamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Part

Item No:	9							
Item Name:	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels of all shapes & sizes, at all elevations & heights.Complete as per the direction of Engineer in Charge with all lead and Lift							
	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Chejja							
	W		2	1.80		0.60	2.16	
			2	0.60		0.15	0.18	
			Total Qty Work Done				2.34	Sqm
			Qty payable in this Bill				2.34	Sqm

Rangelhamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

Agency

Consultant Representative

Asst. Engineer
Project RR-Nagara

Asst. Exece. Engineer
Project-RR Nagara

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ Part

Item No: 10

Item Name: Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. complete as per the direction of the Engineer in-charge. For columns ,beams , sump tank , roof slab, misc. works.

CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
Description	dia (mm)	Nos	Length	Total length (in mts)	Wt kg/mt	Total Wt (kgs)	REMARKS
Plinth Beam							
	12	4	8.25	33.00	0.889	29.33	
	8	55	0.75	41.25	0.395	16.30	
Lintel							
	12	4	4.70	18.80	0.889	16.71	
	8	31	0.75	23.50	0.395	9.28	
Rcc Drain							
	10	17	84.00	1411.20	0.617	871.11	
	10	560	2.10	1176.00	0.617	725.93	
					Total	1668.66	
		Total Qty Work Done				1.67	Tonne
		Qty payable in this Bill				1.54	Tonne

Checked

EE/ARNDT

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

AME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ Part

lo: 11

:: KSRB 5.1 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar (uncoursed), bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.12

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
New Rcc Drain						
For Toilet	1	3.55	0.60	0.60	1.28	
	2	1.20	0.60	0.60	0.86	
	1	3.50	0.60	0.60	1.26	
	1	3.55	0.45	0.45	0.72	
	1	1.20	0.45	0.45	0.49	
	1	3.50	0.45	0.45	0.71	
Flagging Course	2	26.00	0.45	0.45	10.53	
	2	28.00	0.45	0.45	11.34	
		Total Qty Work Done			27.19	Cum
		Qty payable in this Bill			27.01	Cum

Checked
EE (RBND)

Ramalakshmamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ Part

12

Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5m. Inluding cost of all labour complete as per speicifications.Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor							
For Toilet							
		2	1.20	1.63	0.45	1.76	
		2	3.55	1.25	0.45	3.99	
		2	3.55	0.70	0.45	2.24	
		2	3.55	0.15	0.60	0.64	
		4	1.20	0.15	0.60	0.43	
		2	3.50	0.15	0.60	0.63	
Gate Side		1	3.20	3.00	0.45	4.32	
Room 1		1	2.13	7.05	0.40	6.01	
Room 2		1	4.55	3.20	0.40	5.82	
		Total Qty Work Done				25.84	Cum
		Qty payable in this Bill				25.84	Cum

Ranjethamma

Contractor Representative

Assistant Engineer
Ward No-16
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Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Part

Item No: 13

Item Name: Providing and constructing Pre cast solid blocks with Compressive strength not less than 35 kg/ sqm with cement morter 1:4 masonary (quion, Jamb, closer block) with solid concrete blockx of size 40 x 15 x 20 cms confirming to IS 2185/1965 in super structures including cost of materials, labour charges, scaffolding, curing complete as per specifications.

CHAINAGE Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor						
For Toilet						
	1	3.55		2.20	7.81	
	2	1.20		2.20	5.28	
	2	3.50		3.20	22.40	
Walls ground Floor	1	7.05		3.20	22.56	
	1	2.13		3.20	6.82	
Walls First Floor	1	4.62		2.10	9.70	
	1	1.50		2.10	3.15	
	1	4.42		2.10	9.28	
	2	1.30		3.20	8.32	
	2	1.35		3.20	8.64	
Partion	1	4.25		1.60	6.80	
deduction	-5	0.75		2.10	-7.88	
Entrance	2	3.10		0.60	3.72	
				Total Qty Work Done	106.61	
				Qty payable in this Bill	106.61	Sqm

Ranjeetha amma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

E OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya
ına in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ Part

o: 14

Providing & constructing non load bearing walls cemect concrete solid blocks with compressive strength not less than 35 kg/sqm with cement morter 1:4 (jamb, closer blocks) with blocks of size 40X10X20. (LXBXH) confirming to I.S. : 2185/1965 in super structure including cost of materials, labour charges, scaffolding, curing complete as per specification.Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
						0.00	
		Total Qty Work Done				0.00	Sqm
		Qty payable in this Bill				0.00	Sqm

Ranjeetha amma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and [illegible] Bill

Item No:	UT							
Item Name:	Providing 18mm thick cement plaster in single coat with cement mortor 1:3 to Brick masonary including rounding off corners wherver required smooth rendering.: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.							
	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Patch Works							
	Samudaya Bhavana 1		1	6.00	4.50		27.00	
			1	3.00	5.00		15.00	
			1	5.00	2.00		10.00	
			Total Qty Work Done				52.00	
			Qty payable in this Bill				52.00	Sqm

Rangalhammas

Contractor Representative

Assistant Engineer
Ward No-16
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Asst.Executive Engineer
Yeshwanthapura Sub Division
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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Page

Item No: 16

Item Name: Providing 18mm thick cement plaster in single coat with cement mortor 1:4, to brick masonry including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(internal) Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor						
For Toilet						
	3	3.55		2.10	22.37	
	1	1.25		2.10	2.63	
	1	0.70		2.10	1.47	
	4	1.20		2.10	10.08	
	4	3.50		2.10	29.40	
Walls ground Floor	2	7.05		3.20	45.12	
	2	2.13		3.20	13.63	
Walls First Floor	2	4.62		2.10	19.40	
	2	1.50		2.10	6.30	
	2	4.42		2.10	18.56	
	4	1.30		3.20	16.64	
	4	1.35		3.20	17.28	
Partion	2	4.25		1.60	13.60	
deduction	-5	0.75		2.10	-7.88	
Entrance	4	3.10		0.45	5.58	
	Total Qty Work Done				214.19	
	Qty payable in this Bill				214.19	Sqm

Rangalhamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Part

Item No: 17

Item Name: Providing 12mm thick cement plaster in single coat with cement mortor 1:3, to ceiling including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. GG

	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Patch Works						
	Samudaya Bhavana	1	2.00	1.50		3.00	
		1	1.58	2.00		3.16	
		1	2.00	3.00		6.00	
		1	1.80	1.80		3.24	
		1	1.40	1.50		2.10	
		1	3.00	6.00		18.00	
				Total Qty Work Done		35.50	
				Qty payable in this Bill		35.50	Sqm

Ranjalhamma

Contractor Representative

Assistant Engineer
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BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ Part

Item No: 18

Item Name: Providing INTEGRAL CRYSTALINE Waterproofing treatment to the sunken portion of toilets. Using Crystalline Slurry of approved make @ 1.40 kg per SQM in two coats (0.7 Kg per coat) confirming to ASTM S 1202 & DINV 18998 standards. Complete as per the direction of Engineer in Charge with all lead and Lift

	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Terrace							
			1	27.75	14.43		400.29	
			1	14.58	5.15		75.09	
			Total Qty Work Done				475.38	
			Qty payable in this Bill				475.38	Sqm

Ramalakshmamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Page

Item No: 17

Item Name: Providing and fixing of factorymade 30 mm P.V.C door frame of size 50x47 mm with a wall thickness of 5 mm made out of extrued 5 mm rigid PVC foamsheet metered cut at cornwers & jointed 2 nos 150 mm long brackets of 15 x 15 mm MS Square tube, the entire door frame to be reinforced with 19 x 19 m square tube of 19 gauge. the door frame to be fixed to the wall using MS screws of 65 /80 mm size complete as per manufacturers specification& directions of Engineer in charge. Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor						
	2	0.75		2.10	3.15	
	2	0.75		2.10	3.15	
First Floor						
	2	0.90		2.10	3.78	
			Total Qty Work Done		10.08	
			Qty payable in this Bill		10.08	Sqm

Rangalakshmi

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Part A

Item No: 20

Item Name: Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19 x 19mm for styles and 15 x 15mm for top and bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5 x 30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 mm Aluminium hinges. GG Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor						
	4	0.75		2.10	6.30	
First Floor						
	2	0.90		2.10	3.78	
	Total Qty Work Done				10.08	Sqm
	Qty payable in this Bill				10.08	Sqm

Rangalhamma

Contractor Representative

Assistant Engineer
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BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final part

Item No: 21

Item Name: KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm weighing 2.28 Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S. 7452 : 1990, 4nos, of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour, and HOM of machinery complete as per specifications. Complete as per the direction of Engineer in Charge with all lead and Lift

	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Ground Floor							
			1	3.70		0.60	2.22	
			Total Qty Work Done				2.22	Sqm
			Qty payable in this Bill				2.22	Sqm

Ranjithamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Part

Item No: 20

Item Name: KSRB 8.2 : Providing and fixing in position black cuddapah slab I Shahabad slab / Thandur blue slab 4 cms thick for roofing laid to line and level over wooden rafters or R.C.C. battens pointing exposed joints with cement mortar 1:4 including cost of materials, labour, curing complete as per specifications, (wooden rafters and R.C.C. battens to be paid

	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	REMARKS
	Ground Floor							
			1	4.50	0.60		2.70	
			1	7.00	0.80		5.60	
			1	8.00	4.55		36.40	
			Total Qty Work Done				44.70	Sqm
			Qty payable in this Bill				44.70	Sqm

Ranjulhamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ Part

Item No: 23

Item Name: Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick cement mortor 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. size 30x30cms Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor						
WC	2	1.60	1.20		3.84	
	1	3.55	0.70		2.49	
	1	3.55	1.25		4.44	
	1	5.00	3.20		16.00	
FF						
	1	3.40	3.48		11.83	
	1	3.73	3.70		13.80	
	1	2.10	1.50		3.15	
	1	2.32	1.50		3.48	
	1	4.62	7.62		35.20	
WC	2	1.30	1.35		3.51	
Dec Wc	-2	1.30	1.35		-3.51	
				Total Qty Work Done	94.23	Sqm
				Qty payable in this Bill	94.23	Sqm

Checked Above FF (RR) DY

Rangalhamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and ~~Final~~ Part

Item No: 22

Item Name: KSRB 14-17.2: Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour complete as per specifications. Complete as per the direction of

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor						
WC	2	4.52		2.00	18.08	
	4	3.55		2.10	29.82	
	1	0.70		2.10	1.47	
	1	1.25		2.10	2.63	
	1	4.25		1.57	6.67	
FF						
WC	2	5.60		2.00	22.40	
Deduction						
D	-4	0.75		2.10	-6.30	
Total Qty Work Done					74.77	
Qty payable in this Bill					74.77	cum

Razzakhammad

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and Final Part

Item No: 25

Item Name: KSRB 15.14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor						
Inside Walls						
	1	24.60		2.80	68.88	
	1	21.05		2.80	58.94	
	1	2.44		2.80	6.83	
	1	16.50		2.80	46.20	
	2	12.65		2.90	73.37	
	2	3.85		1.54	11.86	
	2	2.25		2.80	12.60	
	1	11.15		2.80	31.22	
	2	13.98		2.80	78.29	
	2	4.55		2.80	25.48	
	2	7.05		2.80	39.48	
	2	2.13		2.80	11.93	
	1	1.36		2.80	3.81	
Deduction						
Shutter	-1	1.70		2.00	-3.40	
	-1	7.25		2.36	-17.11	
	-1	1.87		2.64	-4.94	
D	-1	1.20		2.10	-2.52	
D1	-1	1.00		2.50	-2.50	
W	-5	1.80		1.50	-13.50	
W1	-4	1.80		1.05	-7.56	
W2	-1	1.32		1.82	-2.40	
V	-1	7.00		0.60	-4.20	
V	-1	7.00		0.60	-4.20	
First Floor						
Inside Walls						
R1	2	3.48		3.60	25.06	
	2	3.40		3.60	24.48	
R2	2	3.70		3.60	26.64	
	2	3.48		3.60	25.06	
T	4	1.30		3.20	16.64	
	4	1.35		1.54	8.32	

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			1	3.78		3.60	13.61	
			1	3.78		3.60	13.61	
			1	7.20		3.60	25.92	
			2	23.37		3.60	168.26	
			1	16.50		3.60	59.40	
			2	4.62		2.10	19.40	
			2	7.62		2.10	32.00	
			2	1.50		2.10	6.30	
			2	2.10		2.10	8.82	
			2	1.50		2.10	6.30	
			2	2.32		2.10	9.74	
			2	4.62		2.10	19.40	
			2	4.93		3.60	35.50	
			1	2.37		3.60	8.53	
	Deduction							
	D3		-5	0.90		2.10	-9.45	
	D2		-2	0.75		2.10	-3.15	
	W		-14	1.80		1.70	-42.84	
	W1		-2	0.90		2.10	-3.78	
	Transperat		-1	3.60		4.50	-16.20	
	WC		2	4.52		0.60	5.42	
			-1	1.20		2.10	-2.52	
	Deduction							
	D		-2	0.75		2.10	-3.15	
				Total Qty Work Done			883.88	
				Qty payable in this Upto 125%			811.25	sqm
				Qty payable in this Above 125%			72.63	sqm

Checked
Asst EE

EE/IRR/BNP

Rangalhamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Renovation and Upgradation of Ambedkar Samudaya Bhavana in Sidartha Nagar in ward no 16

Measurement Sheet

First and [illegible] Floor

Item No: 26

Item Name: KSRB 15.14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on Ceiling surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Complete as per the direction of Engineer in Charge with all lead and Lift

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
Ground Floor						
Ceiling						
	1	24.60	14.00		344.40	
	1	2.25	16.50		37.13	
Deduction						
Staircase	-1	2.37	4.93		-11.68	
	-1	3.60	3.60		-12.96	
First Floor						
Ceiling						
	1	24.60	14.00		344.40	
	1	2.25	16.50		37.13	
Deduction						
Staircase	-1	2.37	4.93		-11.68	
	-1	3.60	3.60		-12.96	
	Total Qty Work Done				713.76	
	Qty payable in this Upto 125%				87.50	sqm
	Qty payable in this Above 125%				626.26	sqm

Rangalhaamma

Contractor Representative

Assistant Engineer
Ward No-16
BBMP

Asst.Executive Engineer
Yeshwanthapura Sub Division
BBMP

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